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NOTICE OF ALLOWANCE AND FEE(S) DUE

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS P. O. Box 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER SANEL MONA M

ART UNIT PAPER NUMBER

2882 DATE MAILED: 12/09/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,989	05/24/2006	Rami Evron	PHUS030466US2	1420

TITLE OF INVENTION: AUTOMATIC DOSE ADAPTATION AS A FUNCTION OF PATIENT BODY MASS INDEX IN CT CALCIUM SCORING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/09/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

indicated unless correct maintenance fee notifica	ed below or directed otl ttions.	ng the Patent, advance of nerwise in Block 1, by (lock 1 for any change of address)	a) specifying a new	Note	pondence address :: A certificate of	and/o	(b) indicating a sepa	arate "I	FEE ADDRESS" for
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									(Signature)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVE	ENTOR ATTORNEY DOCKET NO. CONFIRMATIO			FIRMATION NO.		
10/595,989 TITLE OF INVENTION	05/24/2006 i: AUTOMATIC DOSE	ADAPTATION AS A FU	Rami Evron JNCTION OF PATIE	NT B	ODY MASS IND		HUS030466US2 CT CALCIUM SCOR	ING	1420
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		03/09/2011
EXAM	IINER	ART UNIT	CLASS-SUBCLAS	s					
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"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	condence address (or Cha B/122) attached. lication (or "Fee Address 32 or more recent) attack LND RESIDENCE DATA	inge of Correspondence "Indication form and Use of a Customer	or agents OR, alte (2) the name of a registered attorne 2 registered paten listed, no name w THE PATENT (print	single y or a t atto ill be or typ	e firm (having as a gent) and the nam meys or agents. If printed.	memb es of u no nan	er a 2 p to ie is 3		nt has been filed for
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NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte tes Patent and Trademari	ed from anyone other i k Office.	than t	he applicant; a reg	stered.	attorney or agent; or the	ne assig	nee or other party in
Authorized Signature					Date				
Typed or printed name Registration No									
This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu Virginia 22313-1450. DO 313-1450.	CFR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will var- rden, should be sent to the O NOT SEND FEES OR	on is required to obtai 1.14. This collection of depending upon the the Chief Information COMPLETED FORM	n or r is est indiv Office AS TO	etain a benefit by imated to take 12 idual case. Any co r, U.S. Patent and D THIS ADDRES:	he pub minuter omment Trader S. SEN	lic which is to file (and to complete, including son the amount of tile ark Office, U.S. Dep D TO: Commissioner	d by the ng gathe me you artment for Pate	e USPTO to process) ering, preparing, and require to complete t of Commerce, P.O. ents, P.O. Box 1450.

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38107	590 12/09/2010		EXAMINER			
PHILIPS INTE	LECTUAL PROPER	SANEI, MONA M				
P. O. Box 3001			ART UNIT	PAPER NUMBER		
BRIARCLIFF M.	ANOR, NY 10510	2882				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 975 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 975 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/595 989 EVRON, RAMI Notice of Allowability Examiner Art Unit MONA M SANEL 2882 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to the Amendment After Final filed November 17, 2010, The allowed claim(s) is/are 1,3-11 and 13-21. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance

/Mona M Sanei/ Examiner. Art Unit 2882

of Biological Material

9. ☐ Other .

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DETAILED ACTION

Allowable Subject Matter

Claims 1, 3-11, and 13-21 are allowed.

The following is an examiner's statement of reasons for allowance:

- Regarding claim 1, the prior art fails to teach or fairly suggest an x-ray diagnostic
 imaging device including a dose selection processor for calculating a target maximum patient
 dose based on C(patient weight÷(patient height)²)², wherein C is a constant determined based on
 a target required noise level, in combination with all the other limitations of the claim.
- Regarding claim 8, the prior art fails to teach or fairly suggest a method of diagnostic
 imaging including performing an x-ray diagnostic examination of a patient with an x-ray beam
 with a selected radiation dose, wherein the target required radiation dose is determined based on
 a body mass index for the patient and a constant selected in accordance with a targeted noise
 level, in combination with all the other limitations of the claim.
- Regarding claim 20, the prior art fails to teach or fairly suggest a method comprising multiplying the body mass index squared by a constant to calculate a tube current for the x-ray tube, wherein the constant is selected in accordance with a noise level, selecting a radiation dose of an x-ray tube in accordance with the calculated tube current, and performing an x-ray diagnostic examination of the patient with an x-ray beam based on selected the radiation dose, in combination with all the other limitations of the claim.
- Claims 3-7, 9-11, 13-19, and 21 are allowable by virtue of their dependencies.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Response to Amendments

It is noted that by virtue of the amendments to claims 12-15, these claims are now in proper form.

Conclusion

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to MONA M. SANEI whose telephone number is (571)272-8657.
 The examiner can normally be reached on M-F 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward J. Glick can be reached on (571) 272-2490. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mona M Sanei/ Examiner, Art Unit 2882

/Hoon Song/ Primary Examiner, Art Unit 2882